MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

April 1948

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

APRIL 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	68.7	67.6	67.9	68.0	18.2	10.1	15.2	17.3	13.4	15.3
2	6.7	4.6	3.3	4.9	19.1	11.9	16.9	18.3	14.4	16.5
3	0.5	59.8	0.1	0.1	20.1	14.2	17.8	19.4	15.4	17.5
4	58.1	7.6	59.3	58.3	19.5	12.2	15.6	16.3	12.7	14.9
5	61.4	61.2	62.3	61.6	20.8	12.2	18.2	19.7	14.6	17.5
6	63.3	62.6	63.0	63.0	20.9	12.2	18.4	19.9	14.4	17.6
7	2.2	0.8	59.8	0.9	22.0	15.0	17.8	21.1	16.7	18.5
8	56.4	56.7	5.4	56.2	29.2	18.6	19.7	22.7	19.4	20.6
9	2.7	1.2	49.5	1.1	29.3	13.8	28.4	27.7	28.3	28.1
10	8.2	6.9	56.7	7.3	22.5	13.9	14.3	21.6	17.7	17.9
11	60.2	61.4	62.5	61.4	22.1	13.4	18.1	21.0	16.2	18.4
12	1.6	0.6	0.1	0.8	21.8	15.3	18.2	21.2	16.2	18.5
13	58.6	56.7	56.6	57.3	21.1	13.5	18.6	20.5	16.1	18.4
14	4.9	5.7	2.7	4.4	18.2	13.9	17.7	15.9	16.1	16.6
15	6.4	7.0	9.5	7.6	21.2	13.1	15.5	20.5	14.4	16.8
16	61.2	61.8	61.8	61.6	21.9	13.4	17.7	21.1	14.9	17.9
17	1.8	59.8	59.8	0.5	22.4	15.2	19.9	21.6	16.9	19.5
18	57.4	7.0	4.4	57.3	22.9	16.7	19.5	20.5	17.9	19.3
19	3.0	2.7	3.6	3.1	23.3	15.2	21.6	22.7	17.7	20.7
20	5.0	5.4	6.4	5.6	21.7	15.5	15.9	19.9	16.8	21.5
21	57.6	57.4	58.5	57.8	22.7	15.5	20.4	21.6	17.7	19.9
22	8.8	8.8	9.1	8.9	21.8	13.9	18.4	21.1	16.1	18.5
23	8.9	7.2	9.3	8.5	22.0	14 3	17.9	21.6	15.6	18.4
24	60.9	60.8	61.2	61.0	22.8	12.9	19.6	22.3	16.6	19.5
25	0.2	58.6	58.1	59.0	27.0	17.3	19.9	22.8	18.3	20.3
26	52.9	55.8	57.6	55.4	28.5	16.1	27.1	23.4	19.4	23.3
27	9.0	9.9	9.9	9.6	22.4	15.1	19.5	19.9	17.2	18.9
28	8.3	7.0	7.3	7.5	19.8	12.4	17.2	14.9	15.5	15.9
29	8.2	7.9	60.7	8.9	20.0	10.6	16.6	16.6	10.9	14.7
30	62.3	62.5	3.4	62.7	21.6	12.8	19.0	21.1	16.1	18.7
	59.19	58.76	58.99	58.98	22.23	14.01	18.69	20.47	16.45	18.54

Barometer, range for month 768.7 — 749.5 mm.

,, 71-yr. average for month 760.03 mm.

Thermometer, range for month 29.3° — 10.1°C

,, 71-yr. average for month 19.10 °C.

Rain, total for month 57.65 mm.

,, 7-1r average for month 55.16 mm.

,, Tolal, Sept. 1st. to end of month 1104.64 mm.

,, 71-yr. average, Sept. 1st. to end of month 870.00 mm.

APRIL 1948

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	12.5	13.2	12.4	12.7	74	67	80	74	9.8	177.0	
2	13.7	16.0	14.4	14.0	69	75	86	77	9.0	554.0	
3	15.9	17.9	15.6	16.5	77	99	56	77	9.2	435.0	
4	16.1	16.7	14.3	15.7	92	91	95	93	4.8	510.0	3.04
5	16.0	18.6	14.9	16.5	76	79	92	82	9.7	296.0	
6	17.6	18.6	15.4	17.2	83	79	95	86	6.7	227.0	
7	16.4	20.7	17.9	18.3	81	83	94	86	9.4	322.0	
8	19.0	22.2	17.9	19.7	84	83	80	82	4.8	301.0	
9	19.3	28.7	18.0	22.0	49	77	46	57	4.9	304.0	
10	14.4	19.6	12.3	15.4	90	75	60	75	5.7	480.0	2.29
11	17.0	20.0	17.8	18.3	82	81	98	87	7.1	407.0	7.87
12	17.6	20.7	17.2	18.5	84	83	93	87	7.3	296.0	
13	18.3	19.3	16.2	17.9	84	79	87	83	5.9	420.0	
14	14.8	16.7	14.1	15.2	73	90	77	80	3.2	430.0	1.02
15	17.7	19.3	15.4	17.5	99	79	94	91	6.0	299.0	3.81
16	15.9	20.0	15.0	17.0	79	80	89	83	8.0	472.0	
17	18.6	20.8	17.3	18.9	79	79	91	83	8.9	502.0	
18	18.5	21.7	18.6	19.6	82	90	92	88	5.3	303.0	
19	20.8	23.7	20.4	21.6	80	86	99	88	8.4	333.0	
20	18.3	21.5	18.4	19.4	99	91	98	96	2.3	388.0	6.60
21	19.9	21.4	18.6	20.0	81	84	91	85	6.4	451.0	
22	17.6	20.0	16.2	17.9	83	80	88	84	6.1	248.0	5.84
23	19.2	20.8	16.6	18.9	94	80	94	89	5.3	293.0	1.78
24	19.0	21.6	17.9	19.5	84	79	94	86	8.2	225.0	
25	19.7	21.8	19.2	20.2	83	78	93	85	9.1	264.0	
26	19.5	23.3	20.8	21.2	56	80	92	76	8.7	573.0	
27	19.0	22.2	17.4	19.5	84	94	90	89	2.1	618.0	11.43
28	16.3	15.4	13.5	15.1	84	95	70	83	0.3	863.0	8.89
29	15.7	19.0	12.8	15.8	83	99	97	93	0.8	958.0	5.08
30	15.0	18.9	16.2	16.7	69	75	87	77	7.6	451.0	
	17.31	20.01	16.42	17.90	80.6	83.0	86.6	83.4	6.36	413.33	1.922

Height of Barometer above sea level: 33 7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	0	0	1.0	1sw	0	0	light	
2	0	1ci	0	0.3	1ne	3ne	3n	slight	
3	1cu	0	1cu	0.7	1ne	1ne	1ne	light	
4	8cu	6cu-ni	1cu	5.0	1sw	2sw	1sw	,,	Tr. p.m.
5	0	0	3cu	1.0	1ne	1sw	1sw	,,	
6	0	8cu	0	2.7	1sw	1sw	1sw	light	
7	0	0	0	0.0	1se	2ne	1n	slight	
8	8cu	5cu-ci	0	4.3	1s	1s	0	light	
9	9cu	4cu-ci	2ci	5.0	2ne	1ne	0	,,	
10	10cu-ni	0	10cu	6.7	2sw	3sw	1w	slight	Tr. p.m.
11	4cu	3cu-ci	0	2.3	2sw	2sw	1sw	slight	
12	5cu-ci	7cu	0	4.0	1n	1ne	0	light	
13	1cu	6cu	8cu	5.0	1sw	2sw	1sw	,,	
14	10cu-st	10cu-ni	7cu	9.0	1sw	2sw	1sw	,,	
15	10cu	5cu	0	5.0	1w	1nw	0	,,	
16	10cu	1cu	0	3.7	1sw	2sw	0	light	
17	0	0	6cu	2.0	1sw	2ne	1sw	,,	
18	2ci	10cu-st	6cu	6.0	1sw	1ne	1ne	,,	
19	3ci	4cu	10cu	5.7	1ne	1ne	1w	slight	
20	10ni	10cu	1cu	7.0	1se	1s	1sw	light	
21	2cu	5cu-ci	9cu	5.3	2sw	2sw	2sw	slight	
22	9cu-ni	1cu	4cu	4.7	2sw	3sw	1sw	,,	
23	9ni	3cu	1cu	4.3	1sw	2w	1w	light	
24	0	3cu	0	1.0	1w	1sw	0	,,	
25	0	0	5ci	1.7	1se	1se	1ne	,,	
26	2cu	2cu	3cu	2.3	2se	1sw	1sw	light	Tr. a.m.; W. at night
27	0	5cu	9cu	4.7	1sw	3sw	3sw	slight	Hail p.m.
28	10cu-ni	10ni	8cu-ni	9.3	2sw	3sw	5sw	,,	Hail p.m.; T. p.m.
29	9cu-ni	9ni	0	6.0	3sw	4w	1sw	mod	W. at night
30	4cu	3cu	5cu	4.0	2w	2sw	1sw	slight	
31									
				3.99					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	5	0	4	1	16	3	0	0	30
14:30	0	8	0	1	2	15	2	1	1	30
20:30	2	3	0	0	0	15	3	0	7	30
Total	3	16	0	5	3	46	8	1	8	90

Number of days with rain 11, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 6.23